



**NORTH AMERICAN
STAINLESS**
An Acerinox Group Company

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 36203 06 Mail To: ALRO METALS SERVICE CENTER Ship To: ALRO METALS SERVICE CENTER Date: 5/10/2025 Page: 1 Of 1
Customer: 0570 109 ALRO GROUP JACKSON MI 49204- 4343 S. 6TH STREET MILWAUKEE WI 53221 Steel: 316/316L
NAS Order: LR 61050 1 Red Ratio: 18.1 :1 Heat Treat Code: 84,290 Finish: Cold Finish
Your Order: MW18229953 Item Code: 13901605 Dia/Thk: 2.0000 in
Length: 144.00 in
Corrosion: ASTM A262/15 Prac A/E OK

PRODUCT DESCRIPTION :

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS S31600/S31603, EN 10204 3.1, ASTM A484/A484M-24b
ASTM A276/24a, ASTM A479/24, ASTM A182/A182M-24c CHEM ONLY
ASME SA479/23, ASME SA182/23 CHEM ONLY, GRAIN SIZE = 6-8
AMS 5648/N, AMS 5653/K, AMS-QQS-763/D, QQS:763/F,
NACE MR0175/21(MID RADIUS ONLY), MR0103/15(MID RADIUS ONLY)
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/24a CL 1 GR B8M
ASME SA193/23 CL 1 GR B8M(EXC PAR 6.2.2), ASTM F899/23
ASTMA193/24a CL 1 GR B8M(EXC PAR 6.2.2), ASME SA 276/17

REMARKS :

COMPLIES W/REQUIREMENTS OF DFM 252.225-7009 EU DIRECTIVE
2011/65/EU RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

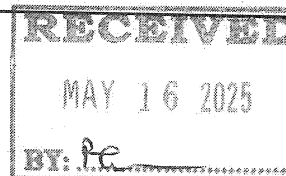
Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BO71644 1633	BO71744 2191	BO71745 2204							

CHEMICAL ANALYSIS CM(Country of Melt and Pour) ES(Spain) US(United States) ZA(South Africa) JP(Japan) ANAB, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/20

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
CX4H		US	.014	.47	16.64	.32	1.62	2.052	.035	10.63	.029	.0250
			SI %									
			.41									

MECHANICAL PROPERTIES

	l o c a l	HB	.2YS	UTS	RA	Elong
	No.	KSI	KSI	%	% 4D	
BO71644	R L	189.0	37.87	86.85	76.51	51.95
BO71744	R L	189.0	37.87	86.85	76.51	51.95
BO71745	R L	189.0	37.87	86.85	76.51	51.95



HRC -7
NG. 5-16-25

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical
Dept. Mgr.

DANIEL HARGETT

RT11927437